

TOP SECRET CHES

HTA-OC-82-57

HTA-TI-37-57

TCS-2144-57 - *Series "A"*

Copy 3 of 6

30 October 1957

MEMORANDUM FOR: Project Director
THROUGH: Chief of Ops
SUBJECT: Future Camera Systems

1. It seems most likely that planning is presently underway for the development of new camera systems, and improvements on present cameras, for the day when the present Aquatone camera systems capability is to be increased.

2. Cameras presently in use, though far superior to any used operationally heretofore, provide photography which from operational altitudes presents particular difficulties in the field of technical intelligence exploitation. Photography from cameras of medium to long focal length, and at the altitudes concerned, produces weak geometrical relationships in the problem of object height determination.

3. With this problem at hand, it is recommended that Project Aquatone R and D planners give consideration to the incorporation of a convergent camera configuration. Such a configuration would greatly improve base-height geometric relationships and an improvement in height measurement capability would result. HTA personnel would be willing to discuss this recommendation to greater detail at the convenience of Aquatone personnel concerned.


Chief, Photo Intelligence Division

ORR/D/GP:JWC:1w (3591)

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